

**FIG. 1****NUCLEOTIDE AND AA SEQUENCE**

Nucleic acid sequence of Protease T (SEQ.ID.NO.:1)

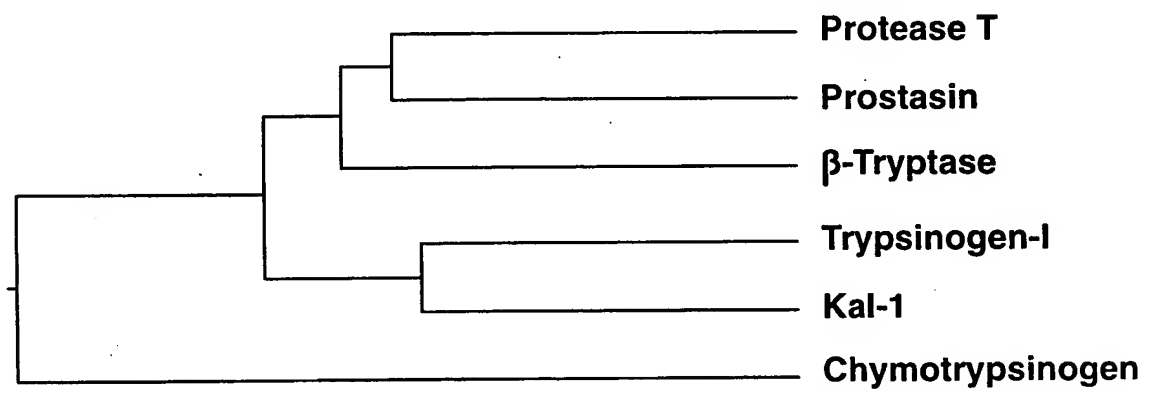
GACCACGGCCCTGCGCCCCAGCCAGGCCTGAGGACATGAGGCGGCCGGCGGGTGCCTGC  
 TCCTGCTGCTGCTGTGTGTTTGGGTCTCAGAGGGCCAAGGCAGCAACAGCCTGTGGTTCGCC  
 CCAGGATGCTGAACCGAATGGTGGGCGGGCAGGACACGCAGGAGGGCGAGTGGCCCTGGC  
 AAGTCAGCATCCAGCGCAACGGAAGCCACTTCTGCGGGGGCAGCCTCATCGCGGAGCAGT  
 GGGTCCTGACGGCTGCGCACTGCTTCCGCAACACCTCTGAGACGTCCCTGTACCAGGTCC  
 TGCTGGGGGCAAGGCAGCTAGTGCAGCCGGGACCACACGCTATGTATGCCCCGGGTGAGGC  
 AGGTGGAGAGCAACCCCTGTACCAGGGCACGGCCTCCAGCGCTGACGTGGCCCTGGTGG  
 AGCTGGAGGCACCAAGTGCCTTCACCAATTACATCCTCCCCGTGTGCCTGCCTGACCCCT  
 CGGTGATCTTTGAGACGGGCATGAACTGCTGGGTCACTGGCTGGGGCAGCCCCAGTGAGG  
 AAGACCTCCTGCCCCGAACCGGGATCCTGCAGAACTCGCTGTGCCCATCATCGACACAC  
 CCAAGTGCAACCTGCTCTACAGCAAAGACACCGAGTTTGGCTACCAACCCAAAACCATCA  
 AGAATGACATGCTGTGCGCCGGCTTTCAGAGAGGGCAAGAAGGATGCCTGCAAGGGCGACT  
 CGGGCGGCCCCCTGGTGTGCTCGTGGGTCACTCGTGGCTGCAGGCGGGGGTGATCAGCT  
 GGGGTGAGGGCTGTGCCCCGCCAGAACCGCCCAGGTGTCTACATCCGTGTACCGCCACC  
 ACAACTGGATCCATCGGATCATCCCCAACTGCAGTTCCAGCCAGCGAGGTGGGGCGCC  
 AGAAGTGAGACCCCCGGGGCCAGGAGCCCCTTGAGCAGAGCTCTGCACCCAGCCTGCCCG  
 CCCACACCATCCTGCTGGTCTCTCCAGCGCTGCTGTTGCACCTGTGAGCCCCACCAGACT  
 CATTTGTAAATAGCGCTCCTTCCCTCCCTCTCAAATACCCTTATTTTATTTATGTTTCTC  
 CCAATAAAAACCCAGCCTGTGTGCCAGCTG

&gt;Amino Acid Sequence of Protease T (SEQ.ID.NO.:7)

MRRPAAVPLLLLLCFGSQRAKAATACGRPRMLNRMVGGQDTQEGEWPWQVSIQRNGSHFC  
 GGSLIAEQWLTAAHCFRNTSETSLYQVLLGARQLVQPGPHAMYARVRQVESNPLYQGTA  
 SSADVALVELEAPVPFTINYILPVCLPDPSVIFETGMNCWVTGWGSPSEEDLLPEPRILQK  
 LAVPIIDTPKCNLLYSKDTEFGYQPKTIKNDMLCAGFEEGKKDACKGDSGGPLVCLVGQS  
 WLQAGVISWGEGCARQNRPGVYIRVTAHHNWIHRIIPKLQFQPARLGGQK

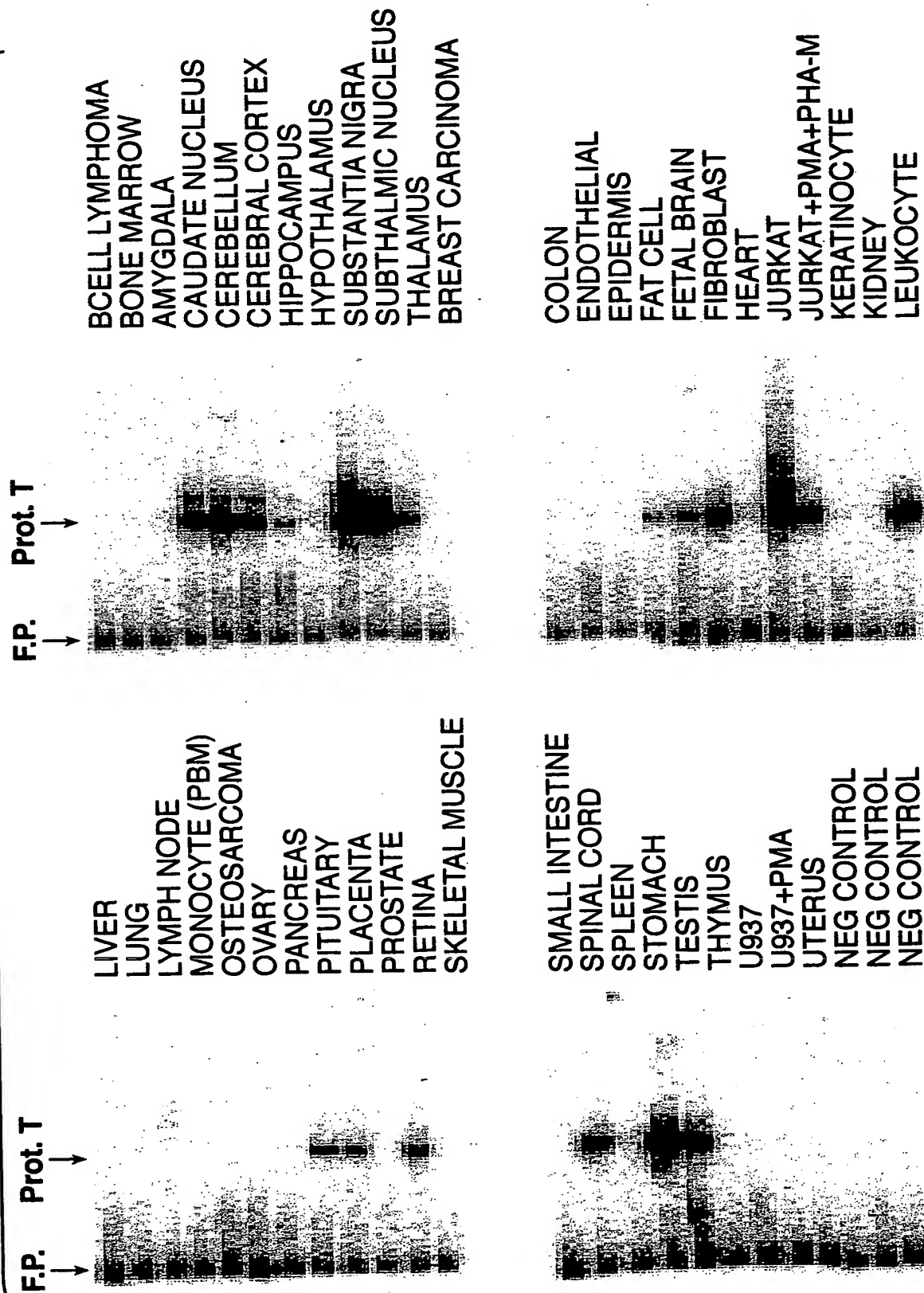
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**FIG. 2**



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FIG. 3



**FIG. 4****FUSION PROTEIN**

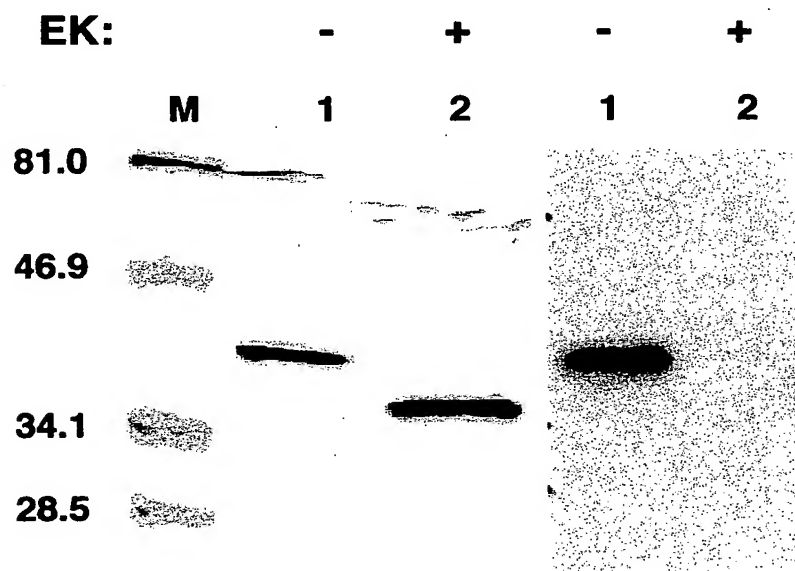
Nucleic Acid sequence of PFEK-PROTT-HIS fusion protein  
(SEQ.ID.NO.:8).

GAATTCACCACCATGGACAGCAAAGGTTTCGTCCGAGAAATCCCGCCTGCTCCTGCTGCTG  
GTGGTGTCAAATCTACTCTTGTGCCAGGGTGTGGTCTCCGACTACAAGGACGACGACGAC  
GTGGACGCGGCCGCTCTTGCTGCCCCCTTTGATGATGATGACAAGATCGTTGGGGGCTAT  
GCTCTAGAGGAGGGCGAGTGGCCCTGGCAAGTCAGCATCCAGCGCAACGGAAGCCACTTC  
TGCGGGGGCAGCCTCATCGCGGAGCAGTGGGTCTGACGGCTGCGCACTGCTTCCGCAAC  
ACCTCTGAGACGTCCCTGTACCAGGTCCCTGCTGGGGGCAAGGCAGCTAGTGCAGCCGGGA  
CCACACGCTATGTATGCCCGGGTGAGGCAGGTGGAGAGCAACCCCTGTACCAGGGGCAGG  
GCCTCCAGCGCTGACGTGGCCCTGGTGGAGCTGGAGGCACCAGTGCCCTTCACCAATTAC  
ATCCTCCCCGTGTGCCTGCCTGACCCCTCGGTGATCTTTGAGACGGGCATGAACTGCTGG  
GTCACCTGGCTGGGGCAGCCCCAGTGAGGAAGACCTCCTGCCCGAACC GCGGATCCTGCAG  
AAACTCGCTGTGCCCATCATCGACACACCCAAGTGCAACCTGCTCTACAGCAAAGACACC  
GAGTTTGGCTACCAACCCAAAACCATCAAGAATGACATGCTGTGCGCCGGCTTCGAGGAG  
GGCAAGAAGGATGCCTGCAAGGGCGACTCGGGCGGGCCCCCTGGTGTGCCTCGTGGGTGAG  
TCGTGGCTGCAGGCGGGGGTGATCAGCTGGGGTGAGGGCTGTGCCCCGCCAGAACC GCCCA  
GGTGTCTACATCCGTGTCACCGCCCAACCACTGGATCCATCGGATCATCCCCAAACTG  
CAGTTCCAGCCAGCGAGGTTGGGCGGCCAGAAGTCTAGACATCACCATCACCATCACTAG  
CGGCCGCTTCCCTTTAGTGAGGGTTAATGCTTCGAGCAGACATGATAAGATAACATTGATG  
AGTTTGACAAACCACAACCTAGAATGCAGTGAAAAAATGCTTTATTTGTGAAATTTGTG  
ATGCTATTGCTTTATTTGTAACCATTATAAGCTGCAATAAACAAGTTGAC

Amino Acid sequence of PFEK-PROTT-HIS fusion protein  
(SEQ.ID.NO.:9).

MDSKGSSQKSRLLLLLLVVSNLLLCQGVVSDYKDDDDVDAAALAAPFDDDDKIVGGYALEE  
GEWPWQVSIQRNGSHFCGGSLLAEQWVLTAHCFRNTSETSLYQVLLGARQLVQPGPHAM  
YARVRQVESNPLYQGTASSADVALVELEAPVPFTNYILPVCLPDPSVIFETGMNCWVTGW  
GSPSEEDLLPEPRILQKLAVPIIDTPKCNLLYSKDTEFGYQPKTIKNDMLCAGFEEGKKD  
ACKGDSGGPLVCLVGQSWLQAGVISWGEQCARQNRPGVYIRVTAHHNWIHRIIPKLQFQP  
ARLGGQKSRHHHHHH

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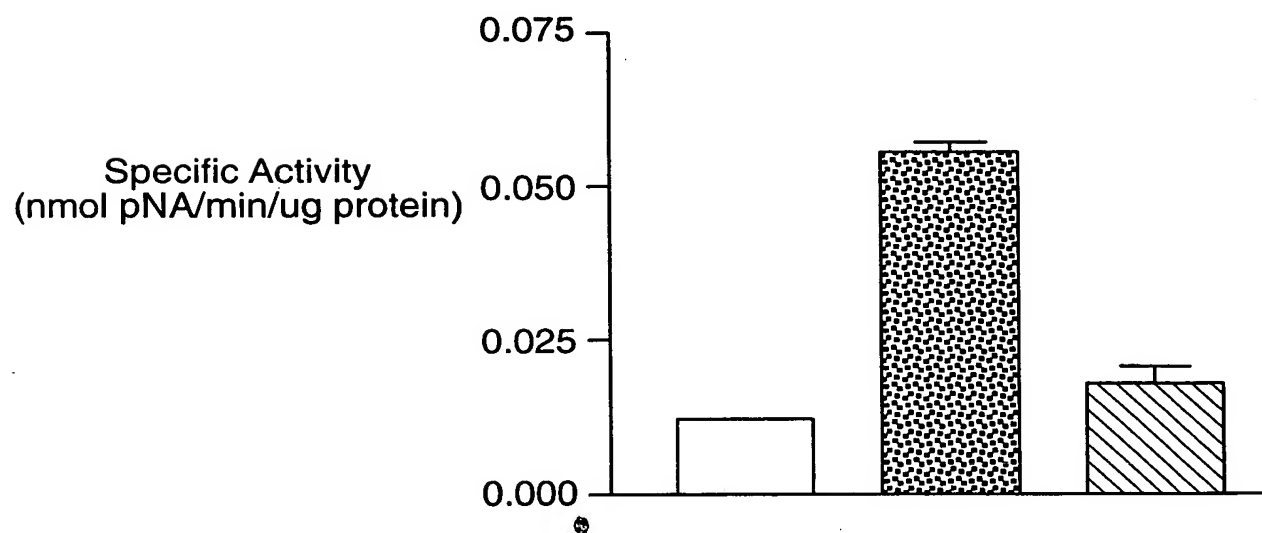
**FIG. 5**

**Protease: PFEK-Protease T-HIS**

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**FIG. 6****Protease Activity of Protease T**

- H-D-Pro-HHT-Arg-pNA  
▤ H-D-Lys(CBO)-Pro-Arg-pNA  
▨ H-DL-Val-Leu-Arg-pNA



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